NADY® AUDIO

Features, Instructions & Technical Data

PSW-18A

Powered Subwoofer

Powered subwoofer with superior performance, state-of-the-art versatile design, unprecedented affordability — perfect for all small venue applications.

Congratulations!
You have just purchased one of the finest powered subwoofers on the market today. The PSW-18A was developed using the expertise of professional sound engineers and working musicians. You will find your new NADY AUDIO powered subwoofer has superior performance and greater flexibility than any other powered subwoofer in its price range.

We recommend that you read this instruction sheet carefully to get the most out of your new unit. Thanks for selecting NADY AUDIO and the PSW-18A as your choice in powered subwoofers.

FEATURES

The PSW-18A self-powered subwoofer punches a wallop of sound, power, and fury with over 1100 Watts!! You find the frequency to shake the floors with the sub set to the desired roll-off point with its fully adjustable low-pass filter. Boasting a 1200W 18" cone driver, and capable of 123dB of sound pressure level, the thump has never bumped so hard!

- Balanced XLR and 1/4" parallel I/O for easy thru-put plus dual RCA inputs
- Master Volume control and adjustable Low Pass filter from 60Hz to 260Hz with steep roll-off for maximum punch
- "Soft start" power on/off switch with Power and Clipping LED indicators
- Sturdy plywood cabinet with durable carpet covering, steel grill, protective corners, and 1 3/8" (35mm) polemount receptacle
- Bridge mode power amp for highest power with lowest distortion, output relay safety protection, ultra-efficient cooling, low-noise exhaust fan, and AC fuse
- Dual mounting pole adapters
- Optional SMP-3 speaker mounting pole available

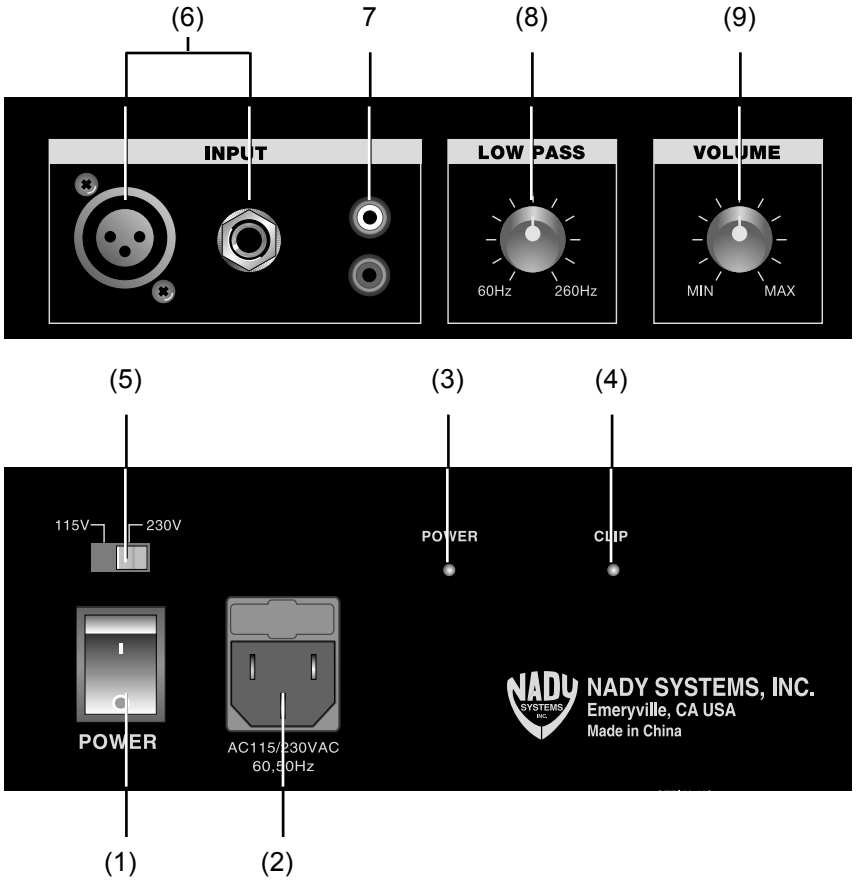
WARNINGS *IMPORTANT SAFETY INSTRUCTIONS*

When using this speaker, basic precautions should always be taken, including the following:

- Read all instructions before using the product.
- This product may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
- To avoid damage to the drivers, never overload the speaker.
- To avoid the risk of fire, do not ever expose the speaker to a source of naked flames. Also, it should be located away from heat sources such as radiators, heat vents, or other devices (including amplifiers) that produce heat.
- The product should be positioned so that proper ventilation is maintained.
- This speaker is designed for indoor use only. Do not expose to weather or high humidity, rain, etc.
- Care should be taken so that objects do not fall into, and liquids are not spilled through, the enclosure's openings. Do not place containers of liquids on the speaker.
- Don't place any heavy appliance or object (>130lbs/60kg) on the speaker enclosure.
- This unit is to be installed by qualified personnel only.
- This speaker is only to be used with power amplifiers complying with the safety requirement of EN or IEC60065.
- This product should be serviced by qualified service personnel if:
  - A. Objects have fallen into, or liquid has been spilled onto the product.
  - B. The product has been exposed to rain.
  - C. The product does not appear to operate normally or exhibits a marked change in performance.
  - D. The product has been dropped, or the enclosure damaged.
- Do not attempt to service this unit. All servicing should be referred to qualified service personnel.

OPERATION *TECHNICAL DATA*

(1) Power Switch — Use this switch to power the unit ON or OFF.
(2) AC Power Cord IEC Connector — This standard IEC power cord receptacle features a built-in fuse holder.
(3) Power ON LED
(4) Clipping LED — This LED indicator turns red when the output signal is 3dB below clipping. It is acceptable if the red LED lights very occasionally. If the red LED lights more than occasionally, you should turn down the volume to avoid audible distortion and damage to the speaker.
Note: Speakers damaged due to hard clipping are not covered under warranty.
(5) AC Voltage Selector Switch — Before plugging in the power cord, check to see that the unit is set for the proper voltage for your area: ~115V (60Hz) or ~230V (50Hz).
(6) Line Inputs — These Balanced XLR and 1/4' TRS jacks accept Line Level balanced or unbalanced signals. These inputs can be used as outputs also for easy thru-put when daisy-chaining powered speakers.
(7) RCA Inputs — These dual RCA low line level inputs can be used singly or together, as they are mono'd together to ensure subwoofer frequencies from both Left and Right signals are accounted for.
(8) Low Pass Control — This sets the upper bandwidth frequency of the low pass filter from 60Hz to 260Hz. Adjust this control for the desired punch of the subwoofer depending on the audio desired to fit the music and environment.
(9) Volume Control — This adjusts the subwoofer volume level. This can be set to maximum if the user prefers to control the volume at the preceding unit. Make sure not to overpower your speaker by noting the appropriate level at the mixing board fader control and LED bargraph to avoid clipping. Over-driven speakers due to improper use are not covered under warranty.



CAUTION — REAR PANEL GETS VERY HOT!

1. AVOID CONTACT WITH SKIN.
2. KEEP PANEL AWAY FROM FLAMMABLE OBJECTS.
3. FOR MAXIMUM COOLING, VENTILLATION, AND EFFICIENCY, DO NOT POSITION SUBWOOFER REAR PANEL AGAINST WALLS OR OTHER OBJECTS.

SPECIFICATIONS

Amplifier Power: 1120W Peak (560W RMS)
Subwoofer cabinet: Front-loaded, Vented, Plywood
Max SPL: 123dB @1M
18" Speaker: Magnet: 125 oz., 4"dia. voice coil
Speaker Power Handling: 1200W Peak (600W RMS)
Speaker Impedance: 8 ohm
Frequency Response: 20Hz to 60~260Hz (adjustable)
Balanced XLR & 1/4" Inputs
Impedance: 20K ohm
Sensitivity: 500mV RMS (max output w/controls at max)
Unbalanced RCA Input
Impedance: 10K ohm
Sensitivity: 250mV RMS (max output w/controls at max)
Protection: Fan cooling, short circuit protection, speaker DC protection circuits, clipping indicator, power ON/OFF relays for anti-thump circuit, AC fuse
Voltage Selector: 115VAC/60Hz or 230VAC /50Hz
Fuse: 5x20mm glass tube F.B. 8A 250V @ 115VAC
4A 250V @ 230VAC
Dimensions (HxWxD): 25.4"x 19.7"x 22" (645x500x560mm)
Weight: 194 lbs (88kg)

SERVICE *FOR YOUR NADY AUDIO PRODUCT*

(U.S.) Should your NADY AUDIO product require service, please contact the Nady Service Department via telephone at (510) 652-2411 or e-mail at service@nady.com.

(International) For service, please contact the NADY AUDIO distributor in your country through the dealer from whom you purchased this product.

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